

# ABSTRACT

An optical collimator 21 includes a glass-made partially spherical lens 23 having translucent spherical surfaces 23b with approximately the same center of curvature at both ends of a columnar portion 23a, a glass-made or crystallized glass-made capillary tube 24 holding an optical fiber 25 with an angled end face 25a at a center, and a glass-made or crystallized glass-made cylindrical eccentric sleeve 22 having an inner hole 22a for fixing the partially spherical lens 23 and the capillary tube 24 therein. An optical axis Z of collimated beam 27 is in a round with radius range of 0.02 mm or less, and is in an angle range of  $0.2^{\circ}$  or less with respect to the center axis B of the outer surface of the eccentric sleeve 22.